

Disarray at the membrane

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Propositions

Belonging to this thesis

Disarray at the membrane

Regulation of vascular inflammation by cholesterol and proteases

1. Unlike in endothelial cells, high-density lipoproteins augment pro-inflammatory signaling pathways in macrophages (*this thesis*).
2. ADAM8 is not a suitable therapeutic target for the treatment of atherosclerosis (*this thesis*).
3. Endothelial ADAM10 promotes atherosclerotic plaque stability (*this thesis*).
4. High-fat diet-induced weight gain can be prevented by non-hematopoietic SPPL2a/b deficiency at the expense of atherosclerotic lesion progression (*this thesis*).
5. Fundamental research is, by many, regarded as a waste of valuable time and money, however, without it, we would still resort to ancient methods, like bloodletting, to treat diseases (*valorization*).
6. Analogous to mining for gold, the road to finding the answer (“the gold”) to a research question requires perseverance and a high frustration tolerance.
7. Wishful thinking is one of many ways to boost creativity, however it is also a scientist’s greatest pitfall.
8. Although traditionally depicted as antipodes, the harmonious interplay between intuition and rationality, together with motivation is what drives people to excellence.

Kosta Theodorou, 19 January 2018